

BOHUN, A.

Bohun, A. Electronic emissions and color centers in ionic crystals. p. 427. CESKOSLOVENSKY CASOPIS PRO FYSIKU. Praha. Vol. 4, no. 4, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

Bohur, Antonin

Czechoslovakia/Electronics - Photoeffect. Electron and Ion Emission, H-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35107

Author: Bohun, Antonin; Karpiskova, Kveta; Duskova, Alena

Institution: Institute of Technical Physics of Czech. Academy of Sciences

Title: Concerning "Excelectron" Enterion from Metals

Original

Periodical: Ceakosl. casop. Tys., 1954, 4, No 5, 608; Ceach; and Czech. Physics Jl., 1955, 5, No 1, 100-101; German

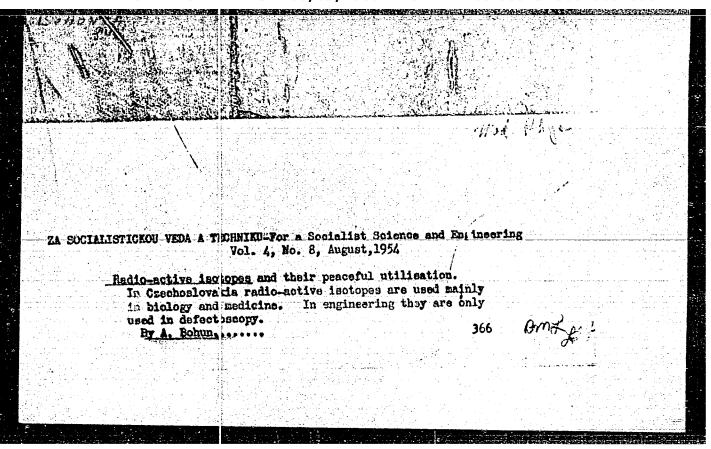
Abstract: Description of qualitative experiments with exidized copper, made for the purpose of clarifying the mechanism of the excelectronic emission from metals. The authors arrive at the conclusion that the emission is caused by dissociation of the F-centers in the exide layer covering the metal, under the influence of heat and under the action of light.

Card 1/1

BOHUN, A.

Absorption and thermostimulated electron emission and luminescence of LiF crystals bombared with alpha particles. Chekhosl fiz zhurnal 14 no.5:322-327 '64.

1. Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague 6, Cukrovarnicka 10.



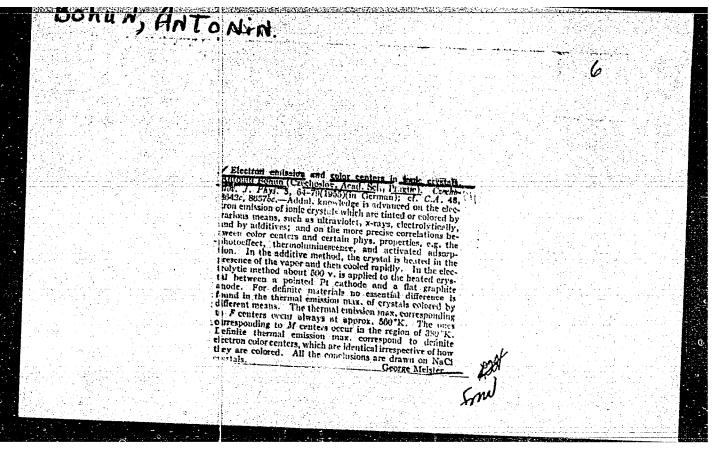
## BOHUE, Antonin, RHI'r

Pneumoconiosis and special electronic emission. Pracovni lek. 6 no.6:346-348 15 Nov 54.

1. Ustav technicke fysiky CaAV

(PNEUMOCONIOSES, etiology and pathogenesis

theory of disintegrating color centers of inhaled granules
causing electronic emissions & absorption of fibringen)



Bohun, Antonin

CZECHOSLOVAKIA/Optics.

K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10394

Author : Bohun, Antonin

Inst : Institute of Technical Physics, Czechoslovak Academy of Sciences,

Prague, Czechoslovakia

Title : Thermoemissicn and Thermoluminescence of Fluorite.

Orig Pub: Cs. cas. fys. 1955, 5, No 1, 75-85

Abstract: Continuing previous works (Referat Zhur Fizika, 1956, 11659; 1957, 10342), a simultaneous measurement was made of the thermoelectronic emission (TE) and thermoluminescence (TL) of natural crystals of CaF2 (I), colored by X-ray exposure after discoloring at 900°C. The uncolored I does not display either TL or TE. The curves for TE and TL obtained upon uniform heating from 300 to approximately 350° K, are similar. The peaks  $A_{\rm PL}$  and  $B_{\rm TL}$  on the TL curve lie at the same temperatures, namely at 350 and 5650 respectively. The peak  $C_{\rm TL}$  frequency lies at a lower temperature than that of  $C_{\rm TE}$  (the peaks

Card : 1/3

CZECHOSLOVAKIA/Optics

K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10394

C lie between A and B). In the region between the peaks A<sub>TL</sub> and B<sub>TL</sub> the color of the thermoluminescence changes twice. Results for X-ray exposed I are the same as for I with natural coloring. Upon maintaining X-ray exposed I at 20°, the peaks A<sub>TE</sub> and A<sub>TL</sub> decrease, while the peaks B<sub>TE</sub> and A<sub>TL</sub> increase. For I, exposed to X-rays at -186° C, one observes two other peaks of thermoluminescence at approximately 100 and approximately 200°K. On the basis of the results obtained, and as well as results of works cited, it is concluded that the thermoelectronic emission and thermoluminescence are due to electrons liberated from the same color centers, and therefore the energy of the dissociation of these centers can be determined from the thermoelectronic emission curves by a method analogous to the analysis of the thermal-glow curves for these phosphors. Thermoluminescence has two components, a bimolecular one and a monomolecular one. The work function does not affect the thermoelectronic emission, this being due to the

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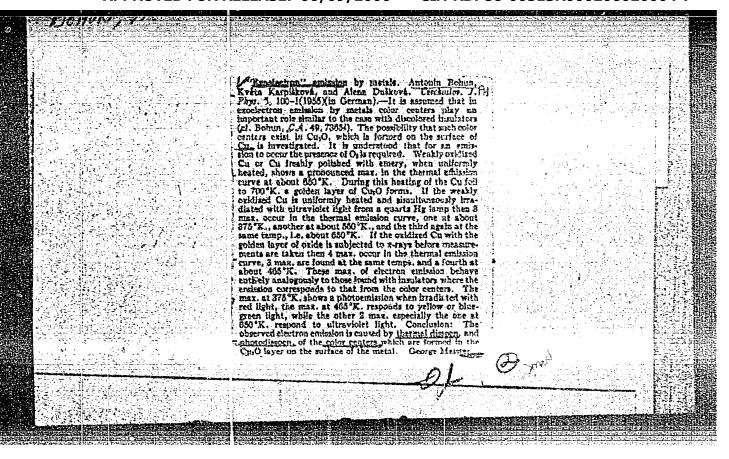
CZECHOSLOVAKIA/Optics.

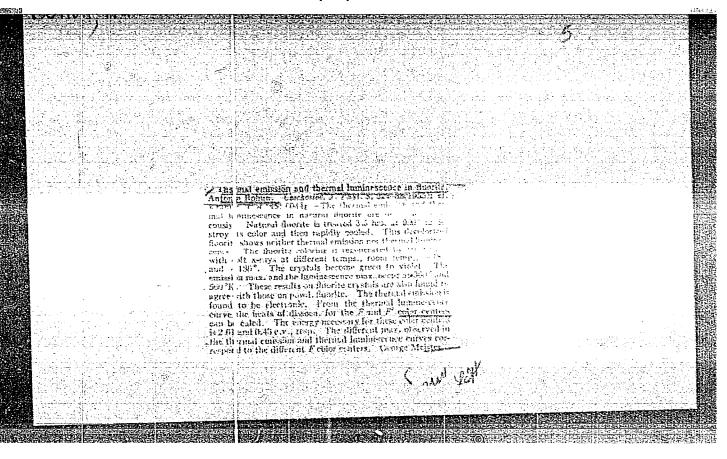
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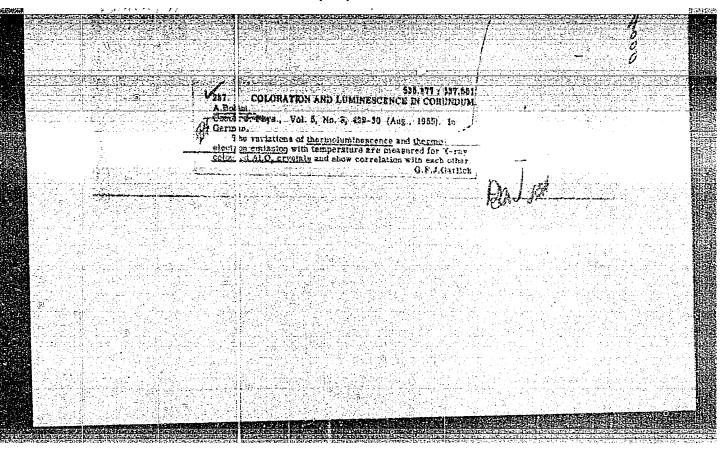
Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10394

larger velocity of the thermoelectrons liberated from the color centers. The peaks A, B and C are ascribed respectively to the  $F_2$ , F, and  $F_2$  centers. A band scheme for the process is proposed.

Card : 3/3







PROPERTY AND ASSESSED. BOHUNA.

Czechoslovakia/Physical Chemistry - Crystals, B-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 230

Author: Bohun, A.

Institution: None

The Effect of Additives on the Color, Electron Emission, and Title:

Luminescence of X-Ray Irradiated Ionic Crystals

Periodical: Ceskosl. casop fys., 1955, Vol 5, No 6 (also published in German with

a Russian summary in Chechosl. fiz. zh., 1956, Vol 6, No 2, 141-151)

Abstract: Single crystals of NaCl were drawn from a melt containing additives, the content of which was determined in the finished crystals by the

polarographic method, and was found to be as follows: Ag, 6.10-4; Ca, 10-3; and Pd, 8.10-4. After irradiation with X-rays at 16-180 C the crystals were uniformly heated from 300 to 700° K; during heating the thermal emission (TE) and thermal luminescence (TL) curves were recorded. The nature and concentration of the additives have a con-

siderable effect on the formation of long-wave absorption bands

Card 1/2

Czechoslovakia/Physical Chemistry - Crystals, B-5

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 230

Abstract: (0- and N-centers with low ionization energies). The TE and TL peak at ~350° K is caused by M-centers and is observed in all cases, while the TE and TL peak at ~5600 K is caused by the F-centers and depends to a great extent on the nature of the additives. The TE and TL peak at 350° K disappears after standing at ~18° C for 20 hours. Contrary to the conclusions drawn by Hill and Schwade (Referat Zhur -Khimiya, 1956, 18594)10), the author concludes that in addition to the F-centers there exist a whole series of localization levels in the vicinity of the conduction band which produce TE peaks. It is estimated that the thermal ionization energy of the F-center is equal to 1.25 and not 1.03 ev (Referat Zhur - Khimiya, 1956, 18610). It is indicated that TE and TL are independent processes each of which can occur in the absence of the other. Natural fluorspar was roasted in an Fe-tube in air at 9400 C and rapidly cooled; after X-ray irradiation the fluorspar exhibited a green color and emitted a sharp yellow TL. When the same treatment was applied to fluorspar using a quartz tube a violet color was observed together with a very weak TL. It is concluded that the green color was not due to the presence of rare earths but to some other additive.

Card 2/2

BOHUN, ANTONION

Category: CZECHOSLOVAKIA/Electricity - Dielectrics

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1499

: Bohun, Antonin Author

Title

: Effects of Impurities on the Color, Electron Emission, and Luminescence

of Ion Crystal Exposed to X-Rays

Orig Pub : Chekhosl. fiz. Zh., 1956, 6, No 2, 141-151

Abstract : See Also Ref. Zhur. Fiz., 1956, 31955

: 1/1 Card

BOHUN, ANTONIN

Czechoslovakia/Electronics - Photoeffect. Electron and Ion Emission, H-2

Abst Journal: Referat Zhu: - Fizika, No 12, 1956, 35090

Author: Bohun, Antonin

Institution: None

Title: On the Problem of Thermal Emission from Semiconductors

Original

Periodical: Czech. Phys. Jl., 1956, 6, No 2, 198-199; German

Abstract: See also Referat Zhur - Fizika, 1956, 23062

Card 1/1

Bohun, A.

Problem of heat emission in semiconductors with a homopolar bond. CESKOSLOVENSKY CASOPIS PRO FYSIKU. (Ceskoslovenska akademie ved. Ustav technicke fysiky) Praha Vol. 6, no. 2, Mar. 1956

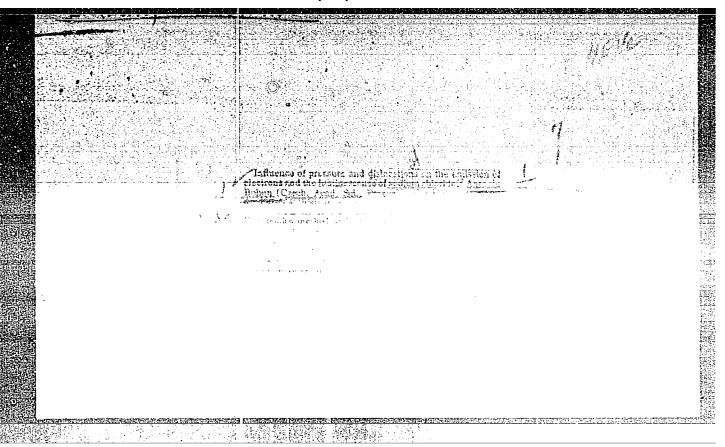
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EEAL - LC Vol. 5. No. 10 Oct. 1956

Eohun, A.

Visit of Soviet physicists to Czechoslovakia. P. 231 CESKOSLOVENSKY CASOPIS PRO FYSIKU. (Ceskoslovenska akademie ved. Ustav technicke fysiky) Praha Vol. 6, no. 2, Mar. 1956

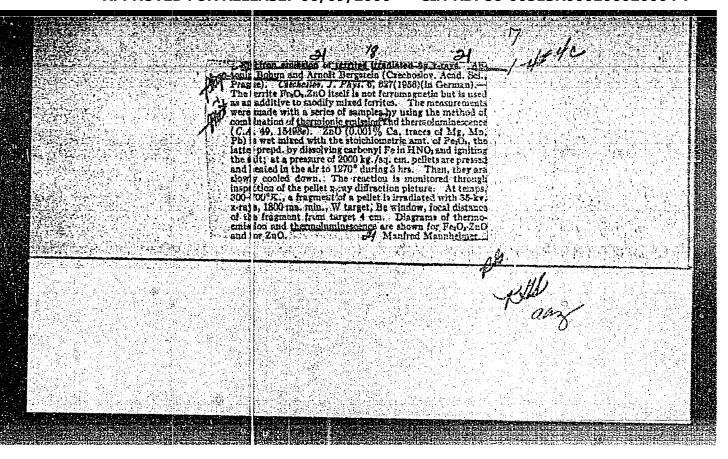
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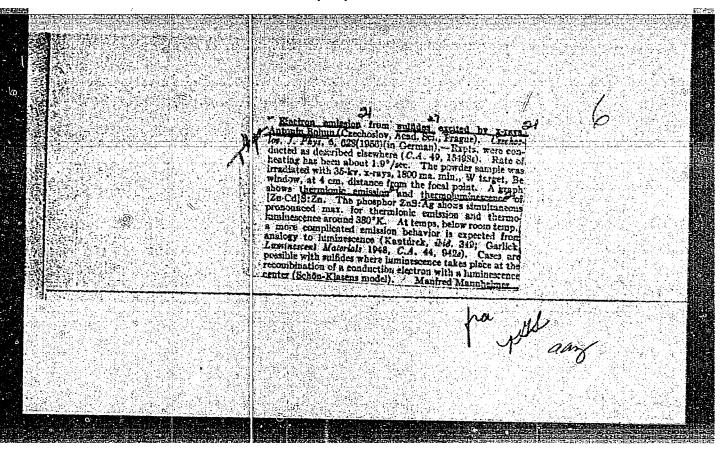


BOHUN, A.

Report on the International Conference on Luminescence in Paris. p. 605. (CESKOSLOVENSKY CASOPIS PRO FYSIKU, Vol. 6, No. 5, Sept 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.





# Bohun, A

CZECHOSLOVAKIA/Electromics - Electron and Ion Emission

H-2

Abs Jour : Rof Zhur - Fizika, No 11, 1958, No 25643

Author

: Bohun Antonin, Trnke Jaroslav

Inst

: Institute for Technical Physics, Czechoslovak Academy of

Sciences, Frague, Czechoslovskia

Orig Fub : Ceskoslo. casop. fys., 1957, 7, No 6, 699-708.

Also in : Ceskoslov. Frz. Zhur, 7, No. 6, PP. 762-7/3,/957.

Abstract: In the previous works by Bohun it has been shown that in different crystals of X-ray treated NaO1 there appear, in different manners, high temperature maxima of electron emission and thermoluminescence, particularly those that lie in temperatures of approximately 520° and 580°K. This can be explained by the presence of neutral chlorine. In the present work, measurements have been performed with crystals, grown from solutions and drawn out of the melt, and also with tablets, pressed under pressure of 2500 kg/cm², heated as usual in atmosphere of chlorine. On the basis of the experiments (particularly for the case of crystals with stoichiometric excess of chlorine) the author reaches the conclusion that

Card : 1/2

CZECHOSLOVAKIA/Electronics - Electron and Ion Emission

H-2

Abs Jour : Ref Zhur - Mzike, No 11, 1958, No 25643

the sources of the electrons for the above maxima of thermal emission and luminescence are various color centers, the absorption hands of which overlap the bands of the F centers. The nature of these centers is discussed.

Cerd : 2/2

32

K-6

HUNGARY/Optics - Luminoscence

Abs Jour : Ref Zhur - Fizike, No 11, 1958, No 26247

: Institute of Technical Physics, Ozochoslovek Acadery of **Nuthor** 

Inst

: Fhotostimulated Electronic Fhenomena in Colored NaCl Crystels

Orig Fub : Acta phys. Acad. sci. hung., 1957, 8, No 1-2, 65-73

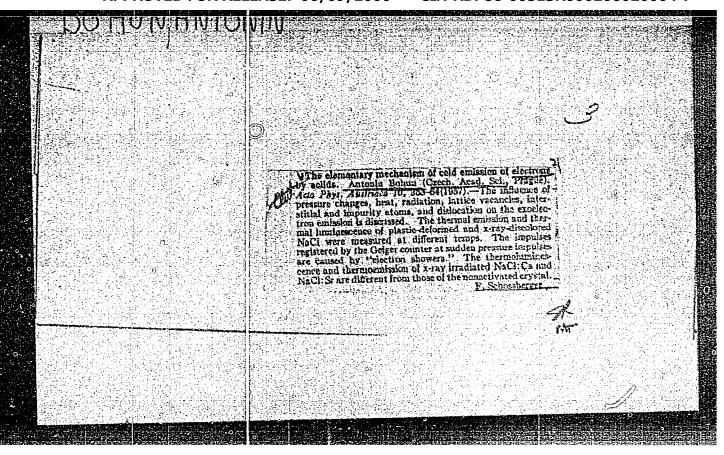
Abstract : An investigation is made of the thermoelectronic emission, thermoluminescence, and photocomission of electrons and of the absorption of light in NaOl crystals, colored by X-rays, with a normal stoichiometric composition and with an excess of Ol. A counter with a needle is used for detection of the emitted electrons. The therroluminescence was investigated with the eid of a photoelectronic multiplier. The results of the measurements show that the luminoscence of the crystals without the excess Cl is quite weak, while crystals with an excess of Ol display intenso luminescence oven after a short exposure to X-reys. In crystals with excess stoichiometric Cl, sub-1 1/2

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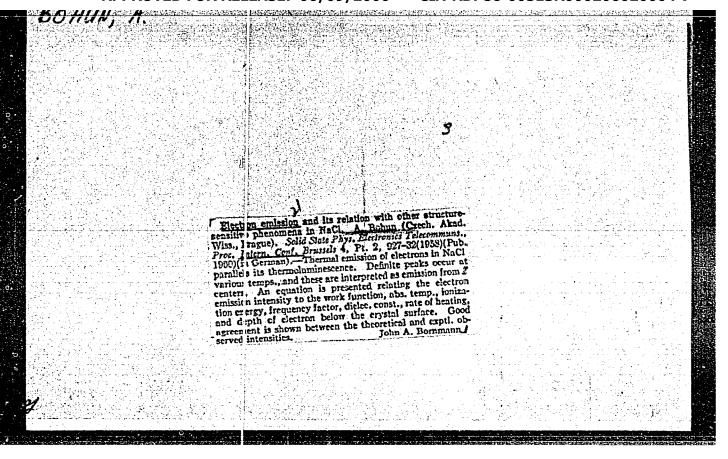


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BOHUN 19.

CZECHOSLOVAKIA/Optics - Luminescence.

K

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 2117

Author

: Dolejsi, J., Kanturek, J., Bohun, A., Truka, J.

Inst Title : Luminescence, Coloring and Excelectronic Emission

by Different Methods from Colored Crystals of CaF

Orig Pub

: Ceskosl. casop. fys., 1958, 8, No 4, 453-464

Abstract

: To observe certain optical and electrical phenomena in CaF<sub>2</sub> crystals, the authors have used a complex method, consisting of measuring two quantities that characterize simultaneously the porucesses that take place. One of these was always the integral thermoluminescence, while the other was either the thermoluminescence as a function of the frequency. The measurements were carried out at a constant temperature or at a temperature that was gradually increasing

Card 1/3

CZECHOSLOVAKIA/Optics - Luminescence.

K

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 2117

5) the spectral analysis of thermoluminescence shows that in luminescence processes impurities of heavy metals play a substantial role, such as copper. The observed emission band near 3,850 Å belongs apparently to this element. -- V.Kopetskiy

Card 2/2

CZECHOSLOVAKIA/Optics - Luminescence.

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4535

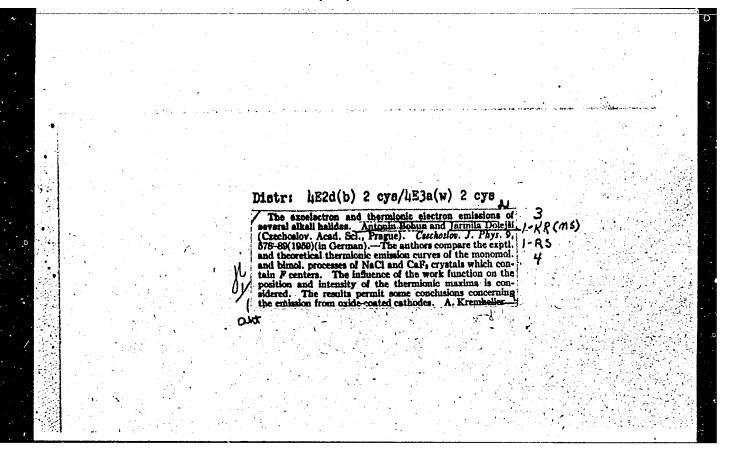
2) thermal discoloring, 3) EE. The results for various crystals are quite different. In all the investigated crystals one can, by suitable heat treatment and coloring, attain a situation whereby the principal maximum of thermally stimulated EE are located 370, 480 and 6500 K (rate of heating 20/sec), and the corresponding absorption bands are located near 5800 A and near 5200 and 3600 A. The curves of thermal discoloration have qualitatively the same appearance for all wave lengths in the visi. ble and the ultraviolet regions. This is due to the strong overlap of the individual absorption bands and makes it impossible to employ the method of thermal discoloration for a mutual comparison of the maxima of thermally stimulated EE, TL, and absorption. In crystals colored by the combined method, only the first low temperature maxima of TL and EE coincide (4400 K). The EE has another strong maximum at 6500 K, but the luminescence

Card 2/3

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5 (4), 24 (3) AUTHORS:

Sujak, B., Bohun, A.

POL/45-18-5-3/11

TITLE:

On the Shammed Thermo-excited Coelectron Emission of Hydrates

PERIODICAL:

Acta Physica Polonica, 1959, Vol 18, Nr 5, pp 419-425 (Poland)

ABSTRACT:

Open-air point counters respond to crystal water (freed from the sample) with maxima of the counting rate. A sharp-pointed counter with corona discharge responds with streamers only to a particles and steam but is not able any more to record single exo-electrons. It is, however, possible to measure the "water-glow-curves" in analogy to the exo-electron glow curves (Refs 2, 3, 4). This paper brings the results obtained by means of another device (Ref 1) at the Institute of Physical Engineering of the Czechoslovakian AS. The little sphere in the Geigar counter was replaced by an ordinary grammophone needle. Counting rate and temperature course were recorded photographically together with the shammed emission. Crystal pieces of the following hydrates were investigated:

Na<sub>2</sub>SO<sub>4</sub>·10H<sub>2</sub>O; BaCl<sub>2</sub>·2H<sub>2</sub>O; Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O and CuCl<sub>2</sub>·2H<sub>2</sub>O. A first heating of the sample gave rise to nonlinear temperature course

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206020004-7"

and sharp maxima in the water glow curve (Figs 2-5) due to

67144

On the Shammed Thermc-excited Coelectron Emission of POL/45-Hydrates

POL/45-18-5-3/11

crystal water evaporation (noticeable because of the low heat capacity of the heater), a second heating left the temperature rise linear like in the case of the empty heater. Also in the case of normal working conditions of the counter (response to  $\beta$ - and  $\gamma$ -radiation) the same effects, though somehow reduced, could be observed. The authors thank Mrs. K. Listonova for having carried out the measurements. There are 6 figures and 4 references.

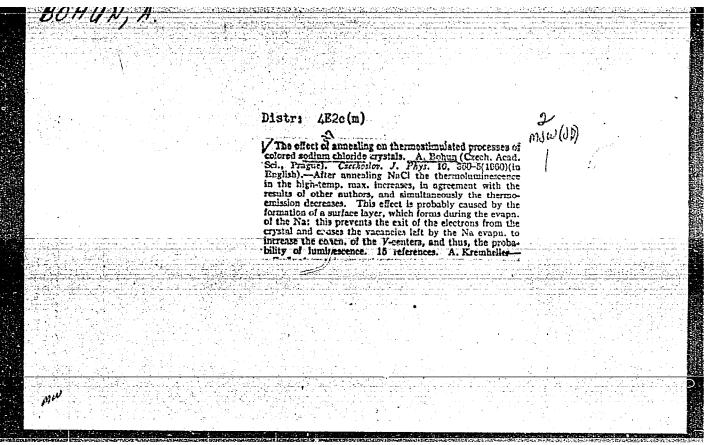
ASSOCIATION:

Institut f. Physik d. Polnischen A. d. W., Wrocław; Institut f. Experimentalphysik d. Universität Wrocław (Physics Institute of the Polish AS, Wrocław; Institute of Experimental Physics of Wrocław University). Institut f. Technische Physik d. Tschechoslovakischen A. d. W., Prag (Institute of Physical Engineering of the Czechoslovakian AS, Prague)

SUBMITTED:

December 23, 1958

Card 2/2



#### "APPROVED FOR RELEASE: 06/09/2000

#### CIA-RDP86-00513R000206020004-7

\$/058/62/000/004/044/960 A058/A101

AUTHOR:

Bohun, Antonin

TITLE:

The electron emission, luminescence and coloring of ionic crystals

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 30, abstract 4V217 (Elektronová emise, luminiscence a zbarvení iontových krystalu. "Pokroky mat., fyz. a astron.", 1961, v. 6, no. 3, 150-153, Czech.)

TEXT: This is a short survey of zone structure and electronic processes in ionic crystals. Processes associated with crystal luminescence, coloring, conductivity and electron emission of crystals are examined.

[Abstracter's note: Complete translation]

Card 1/1 ·

MOHUN, A; DOLEJSI, J.: KADERKA, M.; KANTUREK, J.; KUNZLOVA, I.; LEBL, M.; TRNKA, J.

Photoluminescence and related phenomena of NaCl crystals containing Cd and Co. Acta phys Hung 14 no.2 3:246-253 162.

1. Institut fur Technische Physik der Tschechoslovakischen Akademie der Wissenschaften, Prag, CSSR. Vorgelegt von G. Szigeti [Gyorgy Szigeti]

5/194/62/000/006/172/232 D201/D308

AUTHOR:

Bohun, A.

TITLE:

Exoemission from solids

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, 45, abstract 6Zh298 (Chekhosl. fiz. zh., 1961, B. 11, no. 11, 819-827)

TEXT: The temperature dependence of photo-emission (for  $\lambda = 250$  mu) and the thermally stimulated emission from either mechanically or chemically processes Au - and Al - foil was investigated using an open geiger counter. With uniform heating of mechanically cleaned samples of Au the photoemission decreases in the region 300-370°K and then rises again, going through a maximum at about  $600^{\circ}$ K. A maximum in this range of temperatures is also observed with the temperature changes reversed and in certain cases when the foil is heated in darkness after ultra-violet irradiation. The maximum is much less pronounced at repeated measurements. The author supposes that the increase and decrease of the emission is related to the photo-adsorption and photo-desorption of gases at the emitter sur-Card 1/2

Excemission from solids

S/194/62/000/006/172/232 D201/D308

face. The character of emitted particles (electron, negative ions) is not determined. 23 references. [Abstracter's note: Complete translation.]

Card 2/2

S/194/62/000/006/173/232 D201/D308

AUTHORS:

Bohun, A., and Vinduškova, O.

TITLE:

Electron emission from NaCl crystals after electron

bombardment

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, 45-46, abstract 6Zh299 (Chekhosl. fiz. zh., 1961, B. 11, no. 11, 843-845)

TEXT: A thermally stimulated emission and thermo-luminescence were measured for blue colored NaCl monocrystals (maximum of absorption about 570 mu), irradiated by a high energy (about 10 KeV) electron beam. The fundamental maximum of thermally induced electron emission for blue crystals is found to be ~6000K. It is shown that the stimulation spectrum of photo-induced emission of NaCl monocrystals colored [Abstracter's note: This is the literal meaning of the word used] either by electrons or ultra-violet light, differs from that of X-ray induced emission in crystals (a continuous increase towards short  $\lambda$  in the first case and a band near the F-band in the second). [Abstracter's note: Complete translation.] Card 1/1

BERGSTEIN, A.; BOHUN, A.

Manganeso magnesium ferrites. III. Emission of excelectrons. Goll GE Chem 26 no.3:747-752 Mr '61. (ERAI 10:9)

1. Institute of Technical Physics, Czechoslovak Academy of Science, Prague.

(Electrons) (Magnesium manganes ferrates)

# "APPROVED FOR RELEASE: 06/09/2000

Z/055/62/012/004/008/008 1030/1230

AUTHOR:

Bohun, A.

TITLE:

Thermally stimulated exoemission and luminescence of MgO and CaO

PERIODICAL:

Chekhoslovatskiy fizicheskiy zhurnal, v. 12, no. 4, 1962, 328-330

TEXT: The thermoemission (TE) and themoluminescence (TL) of radiation-colored MgO and CaO powders were measured to complement other optical and electrical methods of investigation. TE and TL curves for MgO (300°K to 800°K) and CaO (300°K to 700°K) show essentially parallel behavior for each sample. Periclase single crystals containing some percents of iron showed weaker TE and a TL curve differing from that of MgO powder. The similar shape of TE and TL curves for these oxides of not toohigh an electron affinity show again that exoemission, with color centers or colloids serving as electron sources, is important in these cases and not only for alkali halides. There are 2 figures.

ASSOCIATION: Inst. f. Festkörperphysik d. Tschechsl. A. d. W., Prag (Institute for Solid State Physics,

SUBMITTED:

October 25, 1961

Card 1/1

G/030/63/003/002/001/012 B163/B138

AUTHORS:

Huml, K., and Bohun, A.

TITLE:

Optical and electrical effects in LiF crystals with cobalt

PERIODICAL:

Physica status solidi, v. 3, no.2, 1963, 250-253

TEXT: Lif crystals were grown from the melt, which contained 1 mole percent CoF<sub>2</sub>. Optical absorption measurements performed with the spectrophotometers CF 4 of Optica Milano and SE 2-M at room temperature show that the non-irradiated crystals have absorption bands in the yellow-red and ultraviolet region which do not exist in an aqueous CoF<sub>2</sub> solution. After X-ray irradiation the originally violet-blue crystals become yellow-green, and new absorption bands appear, an F band at 2500 Å, an M band at 4400 Å, and another wide band around 3600 Å. It is concluded that at least two different types of cobalt complex exist in the crystals, probably one of octahedral and one of lower symmetry. Which fluorine ions in the octahedrons are substituted and by what, is not yet clear. Thermal excelectron emission (TE) and thermal luminescence

Card 1/2

Optical and electrical effects ...

G/030/63/003/002/001/012

are studied using the usual Bohun measuring arrangement. For untempered crystals, which were X-irradiated (50 kv, 30 ma, 10 min) immediately before measurement; there was no particular TL but a marked TE-peak at 400°K. When the same crystal was heated to 400°C and quenched, it showed after X-ray irradiation a considerably increased TL up to temperatures above 500°K. This is explained on the assumption that coalesced Co-ions are separated at high temperatures, this increasing the concentration of cobalt complexes. There are 4 figures.

ASSOCIATION:

Institut für Festkörperphysik der Tschechoslovakischen Akademie der Wissenschaften, Prag (Institute of Solid State Physics of the Czechoslovakian Academy of

Sciences, Prague)

SUBMITTED:

November 9, 1962

Card 2/2

TRUTIA, Ath.; BOHUN, A.

Optical behavior of cobalt and nickel ions in various media. Chekhosl fiz zhurnal 13 no.1:45-54 '63.

1. Ustav fytiky pevnych latek, Ceskoslovenska akademie ved, Praha (for Bohun). 2. Institututl de Fizica al Academiei Romine, Bucuresti (for Trutia).

BOHUN, A.; DOLEJSI, J.; HUML, K.; KANTUREK, J.; KUNZLOVA, I.; LEBL, M.; TRNKA, J.

Optical and electric occurrences in sodium chloride crystals activated with copper. Chekhosl fiz zhurnal 13 no.3:211-215 163.

1. Ustav fyziky pevnych latek, Ceskoslovenska akademie ved, Praha.

BOHUN, Antonin, dr.

"Luminescence" by [CSc.] Karel Patek. Reviewed by Antonin Bohum. El tech obsor 52 no.11: 625-626 Nº63.

KAAMBRE, H.; BOHUN, A.

Thermoluminescence and excelectron emission of KCl phosphors, activated by mercurylike ions. Chekhosl fiz zhurnal 14 no.1:54-62 '64.

- 1. Physics and Astronomy Institute of the Estonian Academy of Sciences, Tartu, Estonia (for Koombro).
- 2. Institute of Solid State Physics, Czechoslovak Academy of Sciences, Praha 6, Cukrovarnicka 10 (for Bohun).

TRNKA, J., KADERKA, M., BOHUN, A.

Electric and optical behavior of NaCl crystals doped with calcium. Pt. 1. Chekhosl fiz shurnal 14 no.1:63-71 164.

1. Institute of Solid State Physics, Grechoslovak Academy of Sciences, Praha 6, Cukrovarnicka 10.

L 18312-65 EMT(1)/EEC(b)-2 IJP(c)/AFML/SSD(c)/ASD(a)-5/AEDC(b)/SSD/RAEM(j)/RAEM(i)/ ESD(gs)/ESD(t) 2/0055/64/014/011/0890/0892 ACCESSION NR: AP4049303 AUTHOR: Bohun, A.; Irnka, J. TITLE: Absorption of alkali halides with lead admixtures SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 11, 1964. 890-892 TOPIC TAGS: spectroscopy, luminophore, luminophore activator, color center, alkali halide, lead admixture ABSTRACT: The problem of the role played by lead admixtures used as activators in alkali halids crystal luminophores is discussed. The absorption spectia of 7 crystals and 10 solutions of these substances were measured. Lead was always added in the form of the corresponding bivalent lead. It was concluded from a comparison of the positions of the absorption bands in solutions and in crystals that the lead ions form certain complexes with the halide ions and that these complexes constitute the basis of both the absorption and the luminescent tenters. The investigation of the physical properties of alkali halide crystals with lead admixtures is to be Cord 1/2

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BOHUN, A.; TRNKA, J.

Absorption of alkali halides with lead admixture. Chekhosl fiz shurnal 14 no.11:890-892 '64.

1. Institute of Solid State Physics of the Gzechoslovak Academy of Sciences, Prague 6, Cukrovarnicka 10.

BOHUN, A.; DOLELING, J.

Influence of arradiation on luminescence and electronic emission of alkali onlorides with copper. Acta physica Pol 26 no.3/4\*557-563 C-0 164.

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ACCESSION NR: AP501/3474

CZ/0055/65/015/007/0530/0532

AUTHOR: Bohun, A.; T.:nka, J.

TITLE: Diffusion structure of the A absorption band of thallium in KCl crystals

SOURCE: Chekhoslovatukiy fizicheskiy zhurnal, v. 15, no. 7, 1965, 530-532

TOPIC TAGS: potassium chloride, thallium, absorption band, luminescence, lumines- 255 cence center, physical diffusion

ABSTRACT: The article reports that, in contrast with earlier published data by various authors, the diffusion structure of the A absorption band of thallium in KCl crystals is not an simple as stated in the earlier literature. It is pointed out that if the measurement is made at a lower displacement rate of the wavelengths (1 A/sec) and with slower motion of the recording tape (0.85 mm/sec), then the structure of the absorption band will no longer be as smooth as assumed, but will show a sign of consisting of at least two bands. It is thus concluded that the effect of thallium in KCl is similar to that of lead, as investigated by the authors in an earlier paper (Czech. J. of Phys. v. 14 B, 1964, 890). This conclusion, together with same other experimental data on the luminescence of the Tl center in KCl and its similarity to the Pb center in KCl indicates that in thallium, as well as in lead, the luminescence centers are formed by Tl complexes,

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ENTLY/ENP(e)/T/ENP(t) ACC NR: AP6000659 IJP(c) JD/AT SOURCE CODE: CZ/0055/65/015/009/0667/0677 AUTHOR: Bohum, A.; Sak, J.; Psenickova, M. ORG: Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague TITLE: The theory of chemielectron emission of metals SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 15, no. 9, 1965, 667-677 TOPIC TAGS: electron emission, chemical absorption, metal, emission, molecular interaction, halogen oxygen nitrogen compound, oxidation ABSTRACT: The theory of potential molecular electron emission of metals bombarded secondary by hot electronegative molecules was investigated. The most frequently quoted theories of chemiemission (chemically excited excelectron emission), and absorption and exidation theories were compared by the authors with the hitherto less-known Izmailov-Furman theory of potential secondary emission. The values of yields calculated according to the original or adapted Izmailov-Furman theory are compared with the values of yields measured by Geiger on a series of systems of alkaline metal-halogen molecules (also partly oxygen molecules), and by Lohff and Wüstenhagen on systems of certain non-precious metals (Al, Fe) with oxygen or nitrogen molecules The authors thank Dr. J. Dolejsi and K. Dolezalova for their help during the work and for careful execution of the numerical calculations. Orig. art. has: 13 formules SUB CODE: 07/ SUBM DATE: 30Dec64/ ORIG REF: 004/ OTH REF: 022/ Cord 1/1 (1) [NT] SOV REF: 004/ 2

BOHUN, Eliasz, mgr.inz.

Improvement of the texture of round ingots for seamless tubes. Hutnik P 28 no.7/8:272-274 Jl-Ag '61.

1. Huta Jednosc.

DVORAK, M.; FOREJTEK, M.; BOHUNEK, V.

Contribution to the problem of subdural hygroma. Rozhl. chir.
43 no.10:693-697 0 '64.

1. Neurochirurgicke oddeleni (vedouci MUDr. B. Zapletal), a neurologicka klinika (predn. prof. dr. J. Hrbek, DrSc.)

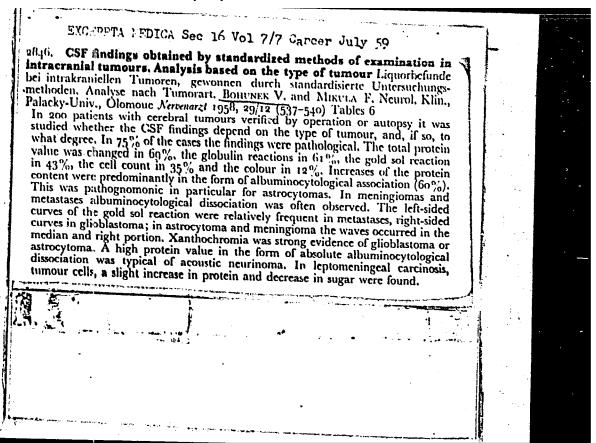
lekarske fakulty Palackeho University.

LANG, B.A.; BOHUNEK, V.; STEIDL, L.; TRNECKA, J.

Glycoproteins in the cerebrospinal fluid and blood serum in degenerative diseases of the CNS and disseminated spinal cord Sclerosis. Cas. lek. cesk. 103 no.27:732-736 26 Je 64

1. Chemisky ustav lekarske fakulty PU [Palackeho university] v Olomouci (prednosta: prof. dr. F.Santavy, DrSc.) a Neurologicka klinika lekarske fakulty PU [Palackeho university] v Olomouci (prednosta: prof. dr.J.Hrbek, DrSc.).

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BOHUNEK, V.; KLAUS, E.

Neurological complications in Hodgkin's disease. Cesk.neur. 23 no.3:197-203 Mr '60.

1. Neurologicka klinika lekarske fakulty Palackeho university v Olomouci, prednosta prof. MUDr. et Dr.Sc. Jaromir Hrbek.

(HODGKIN'S DISEASE pathol.)

(SPINAL CORD pathol.)

BOHUS, B,

Discussion on the electric-spark hardening of tools, p. 159, STROJIRENSKA BYROBA (Ministerstvo strojiernstvi) Praha, Vol. 3, No. 4, Apr. 1955

SOURCE: East European Accessions List (MEAL) Library of Congress, Vol. 5, No. 12, December 1955

ENDROCZI, B.; KOVACS, S.; BOHUS, B.

Changes in behaviour and endocrine activation in response to the stimulation of orbito-frontal cortical areas. Acta physicl. hung. 14 no.1:39-44 1958.

1. Institute of Physiology, Medical University, Pecs.

(CEREBRAL CORTEX, physiol.

eff. of electric stimulation of orbito-frontal areas on behavior & activation of adrenal cortex-pituitary system in rats)

(BEHAVIOR

eff. of electric stimulation of orbito-frontal areas of cerebral cortex in rats)

(ADRENAL CORTEX, physiol.

adrenal cortex-pituitary system, eff. of electric stimulation of orbito-frontal areas of cerebral cortex on activation in rats)

(PITUITARY GIAND, physiol. same)

C HOHUS, B.; ENDROCZI, E.

Metabolism in vitro of hydrocortisone in dog, cat, guinea pig and rat liver. Acta physicl.hung. 18 no.3:179-184 '60.

1. Institute of Physiology, Medical University, Pecs.
(HYDROCORTISONE metab)
(LIVER metab)

BOHUS, B.: ENDROCZI, E.

Metabolism in vitro of cortisons acetate in liver tissue of various species. Acta physicl.hung. 18 no.3:185-189 '60.

1. Institute of physiology, Medical University, Pecs.
(LIVER metab)
(CORTISONS metab)

BOHUS, B.; ENDROCZI, E.

Analysis of the direct adrenal action of neurohypophyseal hormones. Acta physiol. hung. 20 no.3:285-292 '61.

1. Institute of Physiology, Medical University, Pecs.

(ADRENAL GLAND pharmacology)
(PITUITARY GLAND, POSTERIOR hormones)

BOHUS, B.

The effect of central nervous lesions on pituitary-adrenocortical function in the rat. Acta physiol. acad. sci. hung. 20 no.4:373-377 161.

1. Institute of Physiology, Medical University, Pecs.

(CENTRAL NERVOUS SYSTEM physiol)
(PITUITARY GLAND ANTERIOR physiol)
(ADRENAL CORTEX physiol)

HUNGARY

BOHUS. Bela, and LISSAK, Kalman, of the Institute for Physiology at the Medical University (Orvostudomenyi Esyetem Electani Interete)

"Sexual Differences in the Pituitary-Adrenal System of the Adult Ret"

Budapest, Acta Physiologica Academica Scientiarum Kungaricae, Vol 23, No 1, 1963, pp. 37-32.

Abstract: / English Article; suthors! English summary /On the seventh day following unilateral adrenalectomy a significant difference in occuperatory hypertrophy is observed in adult female and male rate in favor of the former. The measure of hypertrophy is not altered significantly by castration, satrogen, or testosterone treatment, carried out simultaneously with the removal of the right adrenal. Studies of the certicosterone output by the hypertrophic adrenal indicate that there is no difference in secretory values between male and female animals. Castration does not effect secretion; estrogen and testosterone increase it moderately. Eventy-four references, including 6 Hungarian, 1 Czechoslovekian, and 17 Western.

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HUNGARY

EOHUS, Bela, ENDROCZI, Elemer, LISSAK, Kalman; Medical University of Pecs, Institute of Physiology (Pecsi Orvostudomanyi Egyetem, Elettani Intezet).

"Correlations Between Conditioned Avoidance Reflex Activity and Pituitary-Adrenocortical Function in the Rat."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 79-83.

Abstract: [English article, authors' English summary] It has been demonstrated that the performance of the conditioned avoidance reflex in individual rats is more intensive in the animals which have higher resting corticosterone secretion than in rats with low corticosterone secretion.

15 Western, 5 Eastern European references.

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HUNGARY

BOHUS, Bela, ENDROCZI, Elemer, LISSAK, Kalman; Medical University of Pecs, Institute of Physiology (Pecsi Orvostudomanyi Tgyetem, Elettani Intezet).

"Further Data Concerning the Sex Differences of the Pituitary-Adrenal System in the Rat."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 85-93.

Abstract: [English article, authors' English summary] In rats aged 27-29 days and 37-39 days, there is no difference in the measure of compensatory adrenocortical hypertrophy between male and female animals, whereas in rats aged 52-56 days, the measure of compensatory hypertrophy is much greater in the female. In vitro corticosterone production by the hypertrophic adrenals increases with age; at the age of 52-56 days, females produce more corticosterone than males. Following contralateral adrenalectomy on the 100th postnatal day, the compensatory adrenal hypertrophy significantly decreased in 107 day old female rats, in response to prepubertal castration. This was unchanged in male rats as compared with sham-operated controls. Estrone treatment given prior to puberty increases the measure of compensatory hypertrophy in the adult male rat, while it leaves the hypertrophy unchanged in the adult female. Prepubertal administration of testosterone produces no effect in either sex. In response to estrogen administration 1/2

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Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 85-93.

before sexual maturation, the corticosterone secretion by the compensatory hypertrophied left adrenal increases in adult males and females alike, whereas it decreases in adult animals ovariectomized between the 22-25 day of their lives. The results indicate that the marked compensatory hypertrophy observed in the adult female rat develops in the period of sexual maturation, in response to estrogens. 20 Western, 6 Eastern European references.

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BOHUS, B.; ENDROCZI, E.

Effect of intracerebral implantation of hydrocortisone on adrenocortical secretion and adrenal weight after unilateral adrenalectomy. Acta physiol. acad. sci. Hung. 25 no.1: 11-19 164.

1. Institute of Physiology, University Medical School, Pecs.

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The effect of endogenous diminution of continosus roid level or pituitary - advenous tital function. As physical for element for the physical form. Hung. 25 no.4837-250 164

i. Institute of Physiology, University Medical School, Feer.

BOHUS, B.; ENDROCZI, E.

The influence of pituitary-adrenocortical function on the avoiding conditioned reflex activity in rats. Acta physicl. acad. sci. Hung. 26 no.1:183-189 '65

1. Institute of Physiology, University Medical School, Pecs.

BOHUS, B.; ENDROCZI, E.

Regulation of adrenocortical steroid synthesis and adrenal tissue proliferation. Acta physiol. acad. sci. Hung. 28 no.2: 125-131 165.

1. Institute of Physiology, University Medical School, Fers. Submitted December 23, 1964.

BOHUS, B.: ENDROCZI, E.; LISSAK, K.

Studies on the control of the pituitary-adrenal system: stress and humoral feed-back control. Acta physiol. acad. sci. Hung. 27 no.3:279-284 '65.

1. Institute of Physiology, University Medical School, Pecs.

BOHUS, B.; ENDROCZI, E.; LISSAK, K.

Studies on the role of the mesencephalic reticular formation in the notivation and avoiding conditioned reflex processes following the mesencephalic and systemic administration of chlorpromazine. Acta physiol. acad. sci. Hung. 26 no.3:235-243\*65

1. Institute of Physiology, University Medical School, Pecs.

STRAZNICKY, K.; HAJOS, F.; BOHUS, B.

Relationship between the ultrastructure and cortical activity of the embryonic adrenal gland in the chicken. Acta biol. acad. sci. Hung. 16 no.3:261-274 '66.

1. Department of Anatomy, Histology and Embryology, Medical University, Pecs (Head: B. Flerko) and Department of Physiology, Medical University, Pecs (Head: K. Lissak). Submitted April 29, 1965.

L 15489-66

ACC NR: AT6007451

SOURCE CODE: HU/2505/65/026/00X/0051/0051

AUTHOR: Bohus, B.

CRG: Medical University of Pecs, Institute of Physiology (Pecsi Cryostudomanyi Egyetem, Elettani Interet)

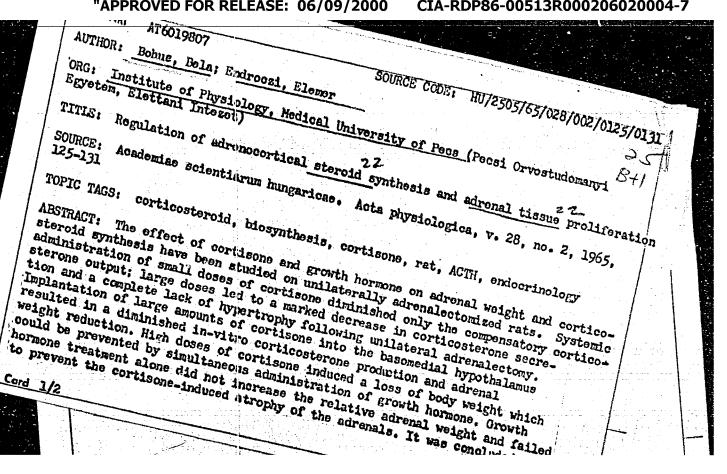
TITIE: Effect of acute and prolonged cortisone administration on the stressinduced activation of the pituitary-adrenal function (This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement,

TOPIC TAGS: cortisone, endocrinology, dog, cat, corticosteroid, ACTH

ABSTRACT: The effect of acute or prolonged elevation of the plasma corticosteroid level on the stress-induced activation of adrenocortical function has been studied on cats and dogs. In cats which underwent stress with formalin or epinephrine, the activation of adrenocortical secretion reached the same values in animals with an elevated plasma corticosteroid level as in the control animals, although the adrenocortical secretion of animals with elevated cortisone levels was

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#### CIA-RDP86-00513R000206020004-7

L 29389-66 ACC NR AT6019807 SOURCE CODE: HU/2505/65/028/002/0125/0131 AUTHOR: Bohus, Bola; Endroczi, Elemer  $\mathcal{B}$ +LORG: Institute of Physiology, Medical University of Pecs (Pecsi Orvestudomanyi Egyetem, Elettani Intezet) TITIE: Regulation of adrenocortical steroid synthesis and adrenal tissue proliferation SOURCE: Academiae scientiarum hungaricae. Acta physiologica, v. 28, no. 2, 1965, 125-131 TOPIC TAGS: corticosteroil, biosynthesis, cortisone, rat, ACTH, endocrinology ABSTRACT: The effect of cortisone and growth hormone on adrenal weight and corticosteroid synthesis have been studied on unilaterally adrenalectomized rats. Systemic administration of small doses of cortisons diminished only the compensatory corticosterone output; large dosen led to a marked decrease in corticosterone secretion and a complete lack on hypertrophy following unilateral adrenalectomy. Implantation of large amounts of cortisone into the basomedial hypothalamus resulted in a diminished in-vitro corticosterone production and adrenal weight reduction. High doses of cortisone induced a loss of body weight which could be prevented by simultaneous administration of growth hormone. Growth hormone treatment alone did not increase the relative adrenal weight and failed to prevent the cortisone-induced atrophy of the adrenals. It was concluded that Cord 1/2

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L 28994-66 SOURCE CODE: HU/2505/65/027/003/0279/0284 ACC NR: AT6019381 25 AUTHOR: Bohus, Pela; Emiroczi, Elemer; Lissak, Kalman ORG: Institute of Physiology, Medical University of Pocs (Pecsi Orvostudomanyi Egyetem, Elettani Intere:) TITIE: Studies on the control of the pituitary-adrenal system: stress and humoral feed-back control SOURCE: Academia scientlarum hungaricae. Acta physiologica, v. 27, no. 3, 1965, 279-284 TOPIC TAGS: dog, cortisone, corticosteroid, adrenal gland, blood physiology, drug effect . ABSTRACT: The role of negative feed-back control in the pituitary-adrenocortical response to stress has been investigated in cats and dogs. A single dose of cortisone acetate diminished significantly the resting corticosteroid output in adrenal venous blood, but it failed to influence the increase in secretion elicited by epinephrine or formalin injections. Prolonged treatment of dogs with cortisons acetate rot only depressed the resting corticosteroid output but also decreased markedly the stress-induced activation of pituitaryadrenocortical function. The findings presented refute the possibility of a negative feed-back control in the response of the pituitary-adrenal system elicited by environmental stimuli. Orig. art. has: 3 figures. Orig. art. in Eng. JPRS / SUBM LATE: 26Jun64 / ORIG REF: 006 / OTH REF: 021 SUB CODE: 06

SOURCE CODE: HU/2505/65/026/01-/0183/0189 ACC NR: AT6033361 AUTHOR: Bohus, B.; Endroczi, E. ORG: Institute of Physiology, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Elettani Intezet) TITLE: Influence of pituitary-adrenocortical function on avoidance conditioned reflex activity in rats [Paper presented at the symposium of the Hungarian Physiological Society held in Budapest from 2-3 July 1963] SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 1-2, 1965, 183-189 TOPIC TAGS: conditioned reflex, rat, adrenocorticotropic hormone, endocrinology In the present study, the influence of the ABSTRACT: pituitary-adrenal system on both the internal inhibitory processes as classified by the Pavlovian terminology, and the motivational phenomena accompanied by conditioned reflex behavior have been investigated. The experiments are described in detail. Changes in adrenocortical function were induced by ACTH administration or by bilateral adrenalectomy. In a second set of experiments, the effect of ACTH on extinction of alimentary conditioned reflex was studied in cats. The results are also. extinction of the presented on graphs. A rather extensive use is made of literature data, in the article. Orig. art. has: 4 figures. [Orig. art. in Eng.] [JPRS] SUB CODE: 06 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 004 Card 1/1 1383 0920

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AUTHOR: Bohus, Bela-Bokhush,	B.; Endroczi, ElemerEndretsi, E.; Lissak, Kalman-E+/
Lishsnak, A. Opc. Institute of Physiology.	Medical University of Pecs. Pecs (Pecsi Orvostudomanyi
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promazine, injected subcutane mation in rats during the ela	ously or into the mesencephalic reticular for- boration and stabilization of an avoidance con-
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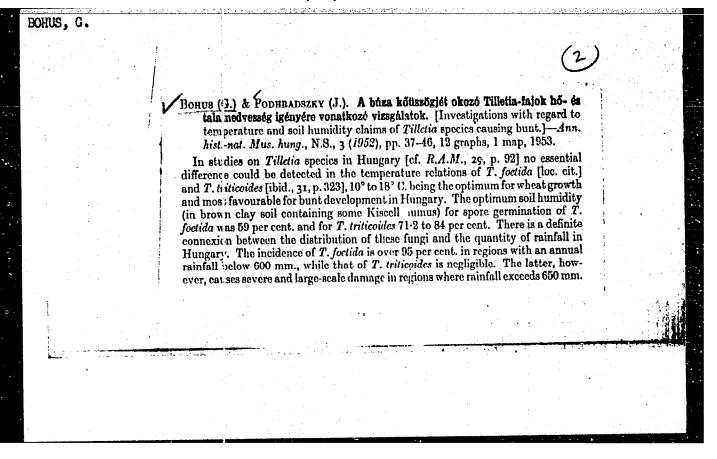
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BOHUS, E.; PARYSKI, W.

Remarks on the Hungarian Simplicissimus.

p. 261 (Wierchy) Vol. 25, 1956, Krakow, Foland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (ERAI) LC, VOL. 7 NO. 1, JAN. 1958



BOHUS, G.; SZABO, K.

Fungicidal effect of phenol derivatives. p. 105. Vol. 6, 1955
MAGYAR NEWZETI MUZEUM TERMESZETTUDOMANYI MUZEUM EVKONYVE. ANNALES HISTORICONATURALES MASEI NATIONALIS HUNGARICI. Budapest, Hungary.

Source: East European Accession List. Library of Congress Vol. 5, No. 8, August 1956

BOHUS, G.

On the drought-resistance of fungi. In English. p.263. (Magyar Nemzeti Muzeum Termezettudomanyi Muzeum Evkonyve, Vol. 7, 1956, Eudapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, no. 9, Sept. 1957. Uncl.

BOHOS GABOR
GIAZ, Ervin, tudomanyos kutato; BOHUS, Gabor, a biologiai tudomanyok kandidatusa

Ergot alkaloid content of higher fungi. I. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.4:423-426 1957.

1. Budapesti Orvostudomanyi Egyetem Gyogyszertani Intezete es Termeszettudomanyi Muzeum Novenytara, Budapest.

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in Basidiomycetes strains (Hun))

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Basidiomycetes, determ, of ergot alkaloids in various strains (Hun))

#### BOHUS, G.

Results in taxonomic and ecologic research relating to Agaricales. III. p. 273

BOTANIKAI KOZLEMENYEK. (Magyar Biologiai Tarsasag. Botanikai Szakosztaly) Budapest, Hungary. Vol. 47, no. 3/4, 1958

Monthly list of East European Accessions (EEAI), IC, Vol. 8, no. 7, July 1959 uncl.

BOROS, Adam; BOHUS, Gabor

Botanical sessions. Botan kozl 48 no.1/2:136-149 159.

l. Magyar Biologiai Tarsasag Botanikai Szakosztalyanak jegyzoje.